

ASSIGNMENT 5

Textbook Assignment: "Pullers," "Bars," "Mattocks," "Gasket Cutters," "Chopping Tools," "Saws," "Brushcutting Tools," "Timber and Handling Tools," "Climbing Tools," "Planes," "Digging Tools," "Electrical Power Tools," and "Miscellaneous Tools," chapters, 41 through 53. pages 41-1 through 53-7.

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| <p>5-1. The universal gear puller is usually of yoke and screw construction. The jaws have what diameter capacity?</p> <ol style="list-style-type: none">1. 0 to 10 inches2. 0 to 14 inches3. 5 to 20 inches4. 6 to 18 inches <p>5-2. The universal gear puller is used for pulling which of the following items?</p> <ol style="list-style-type: none">1. Gears2. Pulleys3. Wheels4. All of the above <p>5-3. The gear and bearing puller will spread what maximum distance?</p> <ol style="list-style-type: none">1. 2 1/2 inches2. 3 1/4 inches3. 5 1/2 inches4. 7 3/8 inches <p>5-4. The gear and bearing puller is a screw-type puller with a total of how many jaws?</p> <ol style="list-style-type: none">1. One2. Two3. Three4. Four <p>5-5. The universal bearing and bushing puller provides a pulling capacity of up to what maximum distance?</p> <ol style="list-style-type: none">1. 1 1/4 inches2. 2 1/8 inches3. 3 3/4 inches4. 4 1/4 inches | <p>5-6. Which of the following pullers has interchangeable jaws?</p> <ol style="list-style-type: none">1. The steering gear arm puller2. The battery terminal and small gear puller3. Both 1 and 2 above4. The universal bearing and bushing puller <p>5-7. What is the shape of a cotter pin puller?</p> <ol style="list-style-type: none">1. Oval-shaped2. T-shaped3. S-shaped4. Square-shaped <p>5-8. Which of the following tools is used to pull large nails or spikes, to open heavy crates, and to do wrecking work?</p> <ol style="list-style-type: none">1. A crowbar2. A dead blow hammer3. A lever punch4. A wrecking bar <p>5-9. A pinch bar is usually used for which of the following purposes?</p> <ol style="list-style-type: none">1. For heavy ripping and prying jobs2. For light ripping and prying jobs3. For pulling large nails or spikes4. For repairing computer components <p>5-10. Bars usually come in which of the following lengths?</p> <ol style="list-style-type: none">1. From 12 to 72 inches2. From 14 to 76 inches3. From 18 to 80 inches4. From 24 to 96 inches |
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- 5-11. Which of the following tools is designed for digging and cutting operations?
1. A mattock
 2. A peavy
 3. A timber wedge
 4. A block plane
- 5-12. The single-beveled mattock can be combined with other digging tools to perform a variety of functions. The "pick mattock" is a combination of the single-beveled mattock and what other tool?
1. A shovel
 2. A screwdriver
 3. A pick
 4. A hammer
- 5-13. The raw wood handles of mattocks should be rubbed thoroughly (preferably prior to use) with a cloth soaked in which of the following liquids?
1. Water
 2. Gasoline
 3. Alcohol
 4. Linseed oil
- 5-14. On a compass-style circle gasket cutter, what is used to adjust the diameter?
1. A hammer
 2. A knurled thumb screw
 3. A straight slot screwdriver
 4. A round split adjustable die
- 5-15. A bit brace circle gasket cutter can be adjusted to what maximum diameter?
1. 1 1/4 inches
 2. 2 1/8 inches
 3. 5 1/2 inches
 4. 9 3/4 inches
- 5-16. What is used to adjust the diameter of a bit brace circle gasket cutter?
1. A hex wrench
 2. A straight slot screwdriver
 3. An open-end wrench
 4. A machinist's level
- 5-17. A hollow gasket cutter is also referred to by which of the following terms?
1. A solid punch
 2. A square punch
 3. A hard punch
 4. A hollow punch
- 5-18. Which of the following types of gasket cutters has a tapered square shank?
1. A compass-style circle gasket cutter
 2. A bit brace circle gasket cutter
 3. A heavy duty bench mount gasket cutter
 4. A hollow gasket cutter
- 5-19. Which of the following tools is used by emergency personnel to gain quick access to an area?
1. An adz
 2. A timber wedge
 3. A crash ax
 4. A nested saw
- 5-20. Which of the following tools is used for chopping and smoothing lumber or logs where a great deal of wood or bark is to be removed?
1. An adz
 2. A timber wedge
 3. A half-hatchet
 4. A woodworker's chisel
- 5-21. Timber wedges are normally made from what material?
1. Plastic
 2. Copper
 3. Glass
 4. Steel
- 5-22. What are the two categories of handsaws?
1. Crosscut and nested
 2. Keyhole and hacksaw
 3. Ripsaw and crosscut
 4. Drag and push

- 5-23. In reference to handsaws, which of the following statements is/are true?
1. Crosscut saws are designed to cut against the grain
 2. Ripsaws are designed to cut with the grain
 3. Both 1 and 2 above
 4. Crosscut saws consist of a thick blade with a steel handle
- 5-24. Which of the following saws should you use to cut down a tree?
1. A backsaw
 2. A one-man crosscut saw
 3. A keyhole saw
 4. A nested saw
- 5-25. When two men are required for extra heavy cutting jobs, which of the following saws should be used?
1. A two-man crosscut saw
 2. A backsaw
 3. A nested saw
 4. A compass saw
- 5-26. What is the smallest type of nested saw?
1. The backsaw
 2. The keyhole saw
 3. The handsaw
 4. The hacksaw
- 5-27. What types of blades are used on hacksaws?
1. Flexible and soft
 2. Hard and rigid
 3. Rigid and soft
 4. Hard and flexible
- 5-28. Which of the following saws is designed to cut metal?
1. A hacksaw
 2. A handsaw
 3. A one-man crosscut saw
 4. A two-man crosscut saw
- 5-29. Which of the following tools is/are used for cutting underbrush, shrubs, tree branches, vines, and tall grass?
1. A nested saw
 2. A brush hook
 3. A machete
 4. Both 2 and 3 above
- 5-30. The machete used in the military is normally what size?
1. 10 inches
 2. 15 inches
 3. 18 inches
 4. 30 inches
- 5-31. For lifting or moving heavy objects such as logs or timbers, you should use which of the following tools?
1. A mattock
 2. A timber carrier
 3. A peavy
 4. Either 2 or 3 above
- 5-32. Which of the following tools are used for climbing poles and trees?
1. Safety straps
 2. Safety belts
 3. Leg irons with spurs
 4. All of the above
- 5-33. What are the two types of planes most generally used?
1. Block and tackle
 2. Block and bench
 3. Bench and circular
 4. Square and round
- 5-34. What is the smallest type of plane?
1. Block
 2. Tackle
 3. Bench
 4. Square
- 5-35. The cutting blade on a jack plane is set at approximately what angle?
1. 15 degrees
 2. 25 degrees
 3. 45 degrees
 4. 90 degrees

- 5-36. What feature on a block plane is used when additional pressure is needed?
1. A hand hold
 2. A toe knob
 3. A pressure lever
 4. A spring adjustment
- 5-37. When not in use, a plane should be placed in what position?
1. On its side
 2. On its cutting edge
 3. On its handle
 4. On its front end
- 5-38. Which of the following tools is used to bore holes in the ground for posts, poles, and explosive charges?
1. A trowel
 2. A machete
 3. A plumb bob
 4. An auger
- 5-39. Which of the following tools is used for heavy digging or in confined areas?
1. A peavy
 2. A brush hook
 3. A spade
 4. An adz
- 5-40. Basically, what is a portable electric drill?
1. An metal motor in an electric housing
 2. A pneumatic motor in a plastic housing
 3. A hydraulic motor in a brass housing
 4. An electric motor in a metal housing
- 5-41. A portable electrical drill can be used for which of the following purposes?
1. Drilling
 2. Sanding and sawing
 3. Buffing and polishing
 4. All of the above
- 5-42. Which of the following tools should be used to remove nuts, bolts, and screws?
1. A portable electric hammer
 2. An electric impact wrench
 3. A saddler's awl
 4. A sledge hammer
- 5-43. Standard sockets should NOT be used with impact tools for which of the following reasons?
1. The can shatter causing serious injury to personnel
 2. They can damage the impact tools
 3. Both 2 and 3 above
 4. They are too expensive
- 5-44. Before drilling a hole, you should make a small prick point in the spot where the hole will be made. Which of the following tools should you use for this purpose?
1. A punch only
 2. An awl only
 3. A punch *or* an awl
 4. A scriber
- 5-45. You should always wear ear protection when operating which of the following tools?
1. An electric hammer
 2. A compass saw
 3. A power torque wrench
 4. All of the above
- 5-46. When using a portable electric hammer, which of the following actions should you take to prevent unnecessary wear of the precision parts?
1. Use only light hand pressure
 2. Place the bit against the work surface before operating the switch
 3. Both 2 and 3 above
 4. Place an insulating board between the electric hammer and the work

- 5-47. What type of power is used to drive an electric chain saw?
1. Manual
 2. Hydraulic
 3. Pneumatic
 4. Electric
- 5-48. When using a portable electric circular saw, you must ensure the saw blade is revolving at what speed before it contacts the work surface?
1. 1/4 speed
 2. 1/2 speed
 3. 3/4 speed
 4. Full speed
- 5-49. When operating a portable electric sander, which of the following problems will occur if you use excessive pressure?
1. The sanding action will take longer
 2. The disk will clog
 3. The motor will overheat
 4. All of the above
- 5-50. A cement trowel is normally what shape?
1. Rectangular
 2. Circular
 3. Triangular
 4. Square
- 5-51. Which of the following tools should you use to scoop and spread mortar?
1. A brick trowel
 2. A cement trowel
 3. A flat blade scraper
 4. A triangular blade scraper
- 5-52. Which of the following tools is used to lift material out of narrow deep holes?
1. A cable jaw grip
 2. A miner's spoon
 3. A scribe
 4. A brush hook
- 5-53. Which of the following tools is used to tighten or stretch wires or cables?
1. A cable jaw grip
 2. A trip wire grapnel
 3. A miner's spoon
 4. A chain pipe wrench
- 5-54. Which of the following items is used for towing vehicles, slinging loads, and hauling objects?
1. A trip wire grapnel
 2. A cable jaw grip
 3. A chain assembly
 4. A tension puller
- 5-55. Which of the following tools is used to find booby traps and to detonate mines?
1. A miner's spoon
 2. A trip wire grapnel
 3. A spade
 4. A combination bar

